

UNIVERSITY OF QUEENSLAND

COMPUTER CENTRE

WEEKLY NEWSLETTER

DATE : WEEK ENDED 17 AUGUST 1972
AUTHORIZATION : DIRECTOR OF THE COMPUTER CENTRE

1. OPERATIONS

1.1 PDP-10 SYSTEM

MONDAY 14 AUGUST CORRECTION OF PARITY ERRORS ON ACCOUNTING FILES, AND END OF DAY ACCOUNTING WHICH ABORTED FRIDAY NIGHT, 0930-1200.

TUESDAY 15 AUGUST DISK PACK MAINTENANCE, 0930-1102
SYSTEM LOADING AND SYMBIONT SETUP,
1102-1137
SYSTEM IN LOOP, 1422, RESTARTED 1430.

THURSDAY 17 AUGUST END OF DAY ACCOUNTING, WHICH ABORTED TUESDAY NIGHT, 0930-1015.

SCHEDULE FOR FORTHCOMING WEEK: MAINTENANCE 0700-0900
OPERATIONS 0930-2300.

1.2 GE-225 SYSTEM

SCHEDULE FOR FORTHCOMING WEEK: MAINTENANCE 0700-0830, 2000-2130
OPERATIONS 0900-2020, 2130-2400.

2. NEW MONITOR

A NEW MONITOR WAS IMPLEMENTED ON WEDNESDAY 9 AUGUST. WHILE THIS MONITOR DOES NOT ALTER THE COMMANDS PRESENTLY IN USE, IT DOES PROVIDE A VARIETY OF NEW COMMANDS. DOCUMENTATION ON THESE NEW FACILITIES IS CURRENTLY IN PREPARATION, AND IT IS HOPED TO RELEASE A SPECIAL NEWSLETTER ON THE NEW COMMANDS BY WEDNESDAY 23 AUGUST.

3. ADVANCED PROGRAMMING COURSE

AN ADVANCED PROGRAMMING COURSE WILL BE CONDUCTED BY THE COMPUTER CENTRE DURING SEPTEMBER. THE LECTURES WILL BE HELD IN ROOM 214 OF THE ENGINEERING BUILDING FROM 2 - 6 P.M. ON TUESDAYS AND THURSDAYS FROM 5 TO 21 SEPTEMBER INCLUSIVE.

TOPICS TO BE DISCUSSED INCLUDE:
MACHINE ORGANIZATION AND OPERATION
ADVANCED FORTRAN FEATURES
NUMBER REPRESENTATION, ERRORS AND ACCURACY
FILE ORGANIZATION AND PROCESSING
SORTING TECHNIQUES
DESIGN, WRITING AND TESTING OF LARGE PROGRAMS

THE CLOSING DATE FOR ENROLMENTS IS 29 AUGUST.

4. SCIENTIFIC SUBROUTINE PACKAGE

A NUMBER OF DOUBLE PRECISION ROUTINES USE A FUNCTION DFLOAT TO CONVERT FROM INTEGER TO DOUBLE PRECISION. THIS OPERATION IS HANDLED DIRECTLY BY OUR COMPILER AND IN DUE COURSE THESE ROUTINES MAY BE MODIFIED TO ELIMINATE THE USE OF A LIBRARY CALL FOR THIS PURPOSE.

IN THE MEANTIME, IF THE UNDEFINED GLOBAL DFLOAT OCCURS, IT CAN BE ELIMINATED BY INCORPORATING THE TRIVIAL FUNCTION LISTED BELOW IN YOUR SOURCE PROGRAM.

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DOUBLE PRECISION FUNCTION DFLOAT(I)  
  DFLOAT=I  
  RETURN  
END
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